at the extreme end of the peripheral circumfer-
ence of the total mass of the earth, within the
action of the force of gravity, or in other words,
the total mass earthly matter with its fifty miles
of atmosphere and so forth, that is partaking of
the diurnal and annual rotations of the Earth,
the speed of motion or the state of tension will
be infinitely greater than what it happens to be
at the Earth's surface.

Let us now consider the effects of this
extreme difference of tension, at the two levels.
Of course, we must admit that though we
partake of the motions of the earth, we do not
feel that, in relation to our earth, but have to
infer so, with reference to the other heavenly
bodies. We must also admit that though we
may not feel any motion relative to the earth,
the motion gets induced into our system all the
same; as in the case of a passenger travelling
in *a* railway train does not feel any motion
relative to the other fellow passengers, or the
train itself, but acquires a new dynamic force,
all the same, however unconsciously, which

could be proved to a demonstration, if he were to fall from that moving train all on a sudden and strike at some person or persons standing